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ABSTRACT

N-ALKYL AMMONIUM ACETONITRILE SALTS, METHODS THEREFORE AND COMPOSITIONS THEREWITH

Substantially solid compositions are provided having therein a compound with the structure of Formula I

FORMULA I

$$A \qquad \qquad \begin{array}{c} R_1 \\ N_1 \\ \end{array} - CR_2R_3C \Longrightarrow N \cdot Y^{\Theta} \cdot ZH_2O$$

wherein A is a saturated ring formed by a plurality of atoms in addition to the N_1 atom, the saturated ring atoms including at least one carbon atom and at least one of O, S, and N atoms, the substituent R_1 bound to the N_1 atom of the Formula I structure including either (a) a C_{1-24} alkyl or alkoxylated alkyl where the alkoxy is C_{2-4} , (b) a C_{4-24} cycloalkyl, (c) a C_{7-24} alkaryl, (d) a repeating or nonrepeating alkoxy or alkoxylated alcohol, where the alkoxy unit is C_{2-4} , or (e) $-CR_2R_3C\equiv N$ where R, and R_3 are each H, a C_{1-24} alkyl, cycloalkyl, or alkaryl, or a repeating or nonrepeating alkoxyl or alkoxylated alcohol where the alkoxy unit is C_{2-4} , the R_2 and R_3 substituents being each H, a C_{1-24} alkyl, cycloalkyl, or alkaryl, or a repeating or nonrepeating alkoxyl or alkoxylated alcohol where the alkoxy unit is C2-4, Z is a value in the range of 0 to 10, and wherein Y is monovalent or multivalent and is sulfate, bisulfate, tosylate, or mixtures of sulfate and bisulfate as These compositions have reduced water counterion. uptake due to the Formula I compound. The compositions

are particularly well suited to bleaching and cleaning compositions formulated to include a source of active oxygen.